THERMOCHIMICA ACTA, VOLUME 153 (1989)

AUTHOR INDEX

Allan, J.R. 173, 249

Barbooti, M.M. 1
Borras, J. 205
Bowman, W.S. 287
Budkuley, J.S. 419

Carson, B.R. 173
Ceolin, R. 37
Cerdá, V. 143
Chvoy, Z. 349
Colbert, J.C. 123
Conţescu, A. 263
Coxon, B. 123
Criado, J.M. 429
Curini, R. 11, 327

D'Ascenzo, F. 11
Date, S.K. 47
de Angelis Curtis, S. 11
Deshpande, C.E. 47
Dezzi, A. 11
Domalski, E.S. 123
Dorofeeva, O.V. 77
Dunn, J.G. 93

El-Hamouly, S.H. 237
El-Saied, F.A. 237
El-Sharifi, T.H. 1
Estela, J.M. 143

Far, M. 143
Ferrer, S. 205

Gajbhiye, N.S. 337
García-Clavel, M.E. 105
Geddes, W.C. 249
Gerrard, D.L. 173
Gilson, N.S. 269
Goh, S.H. 423
Gonthier-Vassal, A. 37
González, M.C. 305
Guechot, C. 37
Gunjikar, V.G. 47
Gutierrez, M.-D. 113

Hindle, C.S. 249
Hoey, S. 173
Hongtu, F. 311
House, Jr., J.E. 231

Jacob, K.T. 27
Jorish, V.S. 77

Kač, M. 297
Kato, M. 63
Kaushik, S.M. 269
Klofutar, C. 297
Kožíšek, Z. 349
Kulkarni, S.D. 47

Larrinaga, A. 305
Laye, P.G. 221, 311
León, L.M. 305
Lopez, R. 113

Maiti, H.S. 193
Málek, J. 429
Marino, A. 11
Marquardt, L.A. 231
Martin-Gil, F.J. 205
Martin-Gil, J. 205
Martínez Galera, M. 87
Martínez-Lope, M.J. 105
Martínez-Vidal, J.L. 87
Materazzi, S. 327
Melguizo, M. 113
Menghi, G. 327
Mikhail, S.A. 287
Militký, J. 429
Mizutani, N. 63
Moiseeva, N.F. 77

Nelson, D.C. 221
Nogueras, M. 113

Oliver, K. 93
Orr, A.E. 249
Oxley, J.C. 269

Paljk, S. 297
Patil, K.C. 419
Patron, L. 263
Pattanayak, J. 193
Perez-Alvarez, I.J. 87
Pielichowski, J. 305
Pinvidic, J.J. 37
Ploştinaru, S. 263

Quijano, M.-L. 113

Ramiz, M.M.M. 237
Rao, K.U.B. 321

Salinas, F. 87
Sanchez, A. 113
Sankaranarayanan, V.K. 337
Schullerus, P.G. 263
Segal, E. 257, 263
Šesták, J. 349, 429
Shinozaki, K. 63
Shrotri, J.J. 47
Sills, I. 93
Singh, H. 321
Sitakara Rao, V. 193
Sjövall, R. 165
Soman, R.R. 321
Srikanth, S. 27
Subba Rao, M. 181
Sujatha Devi, P. 181
Szwarc, H. 37

Teulon, J.M. 37
Toffoli, P. 37
Turcotte, A.M. 287

Urbanovici, E. 257

Vanderhart, D.L. 123

Zamora, F. 305
Zamora, J. 105
Zamponi, S. 11
Zhang, Y. 63

THERMOCHIMICA ACTA, VOLUME 153 (1989)

SUBJECT INDEX

Acetazolamide complexes,
Thermal decomposition of sulphonamide derivative complexes. II. Thermal behaviour of complexes of acetazolamide with Ni(II), Co(II), Zn(II), Cd(II), Hg(II) and Ag(I) 205

Acrylonitrile,
Thermal behaviour and electrical conductivity of acrylonitrile–*N*-(2,3-dimethyl-1-phenyl-5-oxo-3-pyrazoline-4-yl)-*N'*-acryloylthiourea copolymers 237

Activation,
Thermodynamic functions of activation for viscous flow of some monosaccharides in aqueous solutions 297

Activities,
Activities in liquid Ga–Te alloys at 1120 K 27

Alloys,
Activities in liquid Ga–Te alloys at 1120 K 27

Amines,
Calculation and refinement of thermodynamic parameters from thermometric titrations. I. Ionization enthalpies of amines in aqueous and hydro-alcoholic media 143

Aminoquinaldine,
Thermal studies on the chloro compounds of cobalt(II), nickel(II) and copper(II) with 4-aminoquinaldine 173

Ammonium nitrate,
Thermal decomposition of ammonium nitrate-based composites 269

Analysis,
Thermal analytical techniques applied to the narcotic field: cocaine analysis 11

Aromatic hydrocarbons,
Development of Benson group additivity method for estimation of ideal gas thermodynamic properties of polycyclic aromatic hydrocarbons 77

Arsenides,
A study of the decomposition of higher cobalt aresnides by thermal analysis 287

$BaCuO_2$,
Chemical stability of $BaCuO_2$ in various humid atmospheres 63

Benson group additivity method,
Development of Benson group additivity method for estimation of ideal gas thermodynamic properties of polycyclic aromatic hydrocarbons 77

Bisphenol-A polycarbonate,
Thermogravimetric study of the thermal stability of bisphenol-A polycarbonate/poly(methyl metacrylate) blends 423

Bomb calorimetry,
Bomb calorimetric and NMR studies on crystalline hexaglycine 123

Boundary conditions,
The boundary conditions for kinetic models 429

t-Butylperoxybenzoate,
Thermal decomposition of tertiary-butylperoxybenzoate by heat flux calorimetry 221

Calcium sulphates,
Potential errors in the quantitative determination of hydrated calcium sulphates in cement by differential scanning calorimetry 93

Cement,
Potential errors in the quantitative determination of hydrated calcium sulphates in cement by differential scanning calorimetry 93

Characterization,
Thermochemical characterization of ultrafine Sr-hexaferrite 47

Chemical evaluation,
Chemical evaluation of crude oils by programmed thermogravimetric analysis 1

Chloro compounds,
Thermal studies on the chloro compounds of cobalt(II), nickel(II) and copper(II) with 4-aminoquinaldine 173

5-Chloro-4-β-D-(*o*-acetyl)-glycopyranosylaminopyrimidine,
Thermal and spectral study of 5-chloro-4-β-D-(*o*-acetyl)-glycopyranosylaminopyrimidine derivatives 113

Chromium,
Thermal stability and non-isothermal decomposition kinetics of some compounds of lanthanoids with chromium and gluconic acid 263

Cobalt,
A study of the decomposition of higher cobalt

arsenides by thermal analysis 287
Thermal studies on the chloro compounds of cobalt(II), nickel(II) and copper(II) with 4-aminoquinaldine 173
Cocaine,
Thermal analytical techniques applied to the narcotic field: cocaine analysis 11
Complexes,
Thermal and spectroscopic study of complexes of 5,5′-methylenebisthiosalicylic acid (MDTSA) and divalent metallic cations 87
Composites,
Thermal decomposition of ammonium nitrate-based composites 269
Copper,
Synthesis and thermal studies of Cu(II), Ag(I) and Pb(II) salts of 2,4,6-trinitroanilinoacetic acid 321
Thermal studies on the chloro compounds of cobalt(II), nickel(II) and copper(II) with 4-aminoquinaldine 173
Crude oils,
Chemical evaluation of crude oils by programmed thermogravimetric analysis 1
Crystalline hexaglycine,
Bomb calorimetric and NMR studies on crystalline hexaglycine 123
$Cs_2Hg_3I_8 \cdot H_2O$,
Thermal decomposition of $Cs_2Hg_3I_8 \cdot H_2O$ 165

Decomposition,
A study of the decomposition of higher cobalt arsenides by thermal analysis 287
Synthesis and thermal decomposition of piperidinium hexathiocyanatonickelate(II) 231
Thermal decomposition of sulphonamide derivative complexes. II. Thermal behaviour of complexes of acetazolamide with Ni(II), Co(II), Zn(II), Cd(II), Hg(II) and Ag(I) 205
Thermal decomposition of tertiary-butylperoxybenzoate by heat flux calorimetry 221
Thermal decomposition of ammonium nitrate-based composites 269
Thermal decomposition of $Cs_2Hg_3I_8 \cdot H_2O$ 165
Thermal decomposition of dysprosium iron citrate 337
N-2,3-Dimethyl-1-phenyl-5-oxo-3-pyrazolin-4-yl)-*N*′-acryloylthiourea,
Thermal behaviour and electrical conductivity of acrylonitrile–*N*-2,3-dimethyl-1-phenyl-5-oxo-3-pyrazolin-4-yl)-*N*′-acryloylthiourea copolymers 237
Divalent metallic cations,
Thermal and spectroscopic study of complexes of 5,5′-methylenebisthiosalicylic acid (MDTSA) and divalent metallic cations 87
Double reactions,
Oxysalt–metal double reactions in the solid state: $Na_3Al(SO_4)_3$–Mg 105
Dysprosium iron citrate,
Thermal decomposition of dysprosium iron citrate 337

Electrical conductivity,
Thermal behaviour and electrical conductivity of acrylonitrile–*N*-(2,3-dimethyl-1-phenyl-5-oxo-3-pyrazolin-4-yl)-*N*′-acryloylthiourea copolymers 237
Errors,
Potential errors in the quantitative determination of hydrated calcium sulphates in cement by differential scanning calorimetry 93
Estimation of ideal gas thermodynamic properties,
Development of Benson group activity method for estimation of ideal gas thermodynamic properties of polycyclic aromatic hydrocarbons 77

Gallium,
Activities in liquid Ga–Te alloys at 1120 K 27
Glass transition,
The glass transition in poly(3-Br-*N*-vinylcarbazole) 305
Gluconic acid,
Thermal stability and non-isothermal decomposition kinetics of some compounds of lanthanoids with chromium and gluconic acid 263

Heat flux calorimetry,
Thermal decomposition of tertiary-butylperoxybenzoate by heat flux calorimetry 221
Humid atmospheres,
Chemical stability of $BaCuO_2$ in various humid atmospheres 63

Integral method,
An integral method to evaluate the non-isothermal kinetic parameters 257
Ionization enthalpies,
Calculation and refinement of thermodynamic parameters from thermometric titrations. I. Ionization enthalpies of amines in aqueous and hydro-alcoholic media 143

Kinetic models,
The boundary conditions for kinetic models 429

Lanthanoids,
Thermal stability and non-isothermal decomposition kinetics of some compounds of lanthanoids with chromium and gluconic acid 263
Lanthanum biscitrato chromium(III),
Rare-earth chromium citrates as precursors for rare-earth chromites: lanthanum biscitrato chromium(III) dihydrate $La[Cr(C_6H_5O_7)_2]\cdot 2H_2O$ 181
Lead,
Synthesis and thermal studies of Cu(II), Ag(I) and Pb(II) salts of 2,4,6-trinitroanilinoacetic acid 321

Magnesium bisulphite hydrazinate,
Thermal properties of magnesium bisulphite hydrazinate hydrate 419
Manganese oxides,
Preparation and thermal stability of manganese oxides obtained by precipitation from aqueous manganese sulphate solution 193
Manganese sulphate,
Preparation and thermal stability of magnanese oxides obtained by precipitation from aqueous manganese sulphate solution 193
Melt solidification,
Nonequilibrium processes of melt solidification during programmed temperature changes and the metastable phases formation 349
Metastable phases formation,
Nonequilibrium processes of melt solidification during programmed temperature changes and the metastable phases formation 349
5,5′-Methylenebisthiosalicylic acid,
Thermal and spectroscopic study of complexes of 5,5′-methylenebisthiosalicylic acid (MDTSA) and divalent metallic cations 87
Monosaccharides,
Thermodynamic functions of activation for viscous flow of some monosaccharides in aqueous solutions 297
Morniflumate,
Niflumic acid–morniflumate phase diagram: I. Study of the components 37
Mouse salivary glands,
A thermoanalytical approach to the study of the tissutal water of mouse salivary glands 327

$Na_3Al(SO_4)_3$–Mg,
Oxysalt–metal double reactions in the solid state: $Na_3Al(SO_4)_3$–Mg 105
Narcotics,
Thermal analytical techniques applied to the narcotic field: cocaine analysis 11
Nickel,
Thermal studies on the chloro compounds of cobalt(II), nickel(II) and copper(II) with 4-aminoquinaldine 173
Niflumic acid,
Niflumic acid–morniflumate phase diagram: I. Study of the components 37
NMR,
Bomb calorimetric and NMR studies on crystalline hexaglycine 123
Non-isothermal decomposition kinetics,
Thermal stability and non-isothermal decomposition kinetics of some compounds of lanthanoids with chromium and gluconic acid 263
Non-isothermal kinetic parameters,
An integral method to evaluate the non-isothermal kinetic parameters 257
Nonequilibrium processes,
Nonequilibrium processes of melt solidification during programmed temperature changes and the metastable phases formation 349

Phase diagram,
Niflumic acid–morniflumate phase diagram: I. Study of the components 37
Piperidinium hexathiocyanatonickelate(II),
Synthesis and thermal decomposition of piperidinium hexathiocyanatonickelate(II) 231
Poly(3-Br-*N*-vinylcarbazole),
The glass transition in poly(3-Br-*N*-vinylcarbazole) 305
Poly(methyl methacrylate),
Thermogravimetric study of the thermal stability of bisphenol-A polycarbonate/poly(methyl methacrylate) blends 423
Precipitation,
Preparation and thermal stability of manganese oxides obtained by precipitation from aqueous manganese sulphate solution 193
Precursors,
Rare-earth chromium citrates as precursors for rare-earth chromites: lanthanum biscitrato chromium(III) dihydrate La $[Cr(C_6H_5O_7)_2]\cdot 2H_2O$ 181
Programmed temperature changes,
Nonequilibrium processes of melt solidification during programmed temperature changes and the metastable phases formation 349
Pyridine carboxylic acid,
Thermal analysis studies on pyridine carboxylic acid complexes of zinc(II) 249
Pyrimidine derivatives,
Thermal and spectral study of 5-chloro-4-β-D-(*o*-acetyl)-glycopyranosylaminopyrimidine derivatives 113

Quantitative determination,
Potential errors in the quantitative de-

termination of hydrated calcium sulphates in cement by differential scanning calorimetry 93
Quantitative performance,
Assessment of the quantitative performance of the Stanton Redcroft Simultaneous Thermal Analyser (model 781) 311

Rare-earth chromites,
Rare-earth chromium citrates as precursors for rare-earth chromites: lanthanum biscitrato chromium(III) dihydrate, La[Cr $(C_6H_5O_7)_2] \cdot 2H_2O$ 181
Rare-earth chromium citrates,
Rare-earth chromium citrates as precursors for rare-earth chromites: lanthanum biscitrato chromium(III) dihydrate, La[Cr $(C_6H_5O_7)_2] \cdot 2H_2O$ 181

Silver,
Synthesis and thermal studies of Cu(II), Ag(I) and Pb(II) salts of 2,4,6-trinitroanilinoacetic acid 321
Solid state,
Oxysalt–metal double reactions in the solid state: $Na_3Al(SO_4)_3$–Mg 105
Stability,
Chemical stability of $BaCuO_2$ in various humid atmospheres 63
Stanton Redcroft Simultaneous Thermal Analyser,
Assessment of the quantitative performance of the Stanton Redcroft Simultaneous Thermal Analyser (model 781) 311
Strontium hexaferrite,
Thermochemical characterization of ultrafine Sr-hexaferrite 47
Sulphonamide derivative complexes,
Thermal decomposition of sulphonamide derivative complexes. II. Thermal behaviour of complexes of acetazolamide with Ni(II), Co(II), Zn(II), Cd(II), Hg(II) and Ag(I) 205

Tellurium,
Activities in liquid Ga–Te alloys at 1120 K 27
Thermodynamic parameters,
Calculation and refinement of thermodynamic parameters from thermometric titrations. I. Ionization enthalpies of amines in aqueous and hydro-alcoholic media 143
Thermometric titrations,
Calculation and refinement of thermodynamic parameters from thermometric titrations. I. Ionization enthalpies of amines in aqueous and hydro-alcoholic media 143
Tissutal water,
A thermoanalytical approach to the study of the tissutal water of mouse salivary glands 327
2,4,6-Trinitroanilinoacetic acid,
Synthesis and thermal studies of Cu(II), Ag(I) and Pb(II) salts of 2,4,6-trinitroanilinoacetic acid 321

Viscous flow,
Thermodynamic functions of activation for viscous flow of some monosaccharides in aqueous solutions 297

Zinc,
Thermal analysis studies on pyridine carboxylic acid complexes of zinc(II) 249